

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	7820115
<b>Application Number:</b>	10525569
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3042
<b>Title of Invention:</b>	Chair with onboard electrical power source
<b>First Named Inventor/Applicant Name:</b>	Terry Cassaday
<b>Customer Number:</b>	33797
<b>Filer:</b>	Eugene Joseph Gierczak/Farishtah Amin
<b>Filer Authorized By:</b>	Eugene Joseph Gierczak
<b>Attorney Docket Number:</b>	56836.40/ejg
<b>Receipt Date:</b>	15-JUN-2010
<b>Filing Date:</b>	25-FEB-2005
<b>Time Stamp:</b>	17:58:28
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment After Final	4795752_1.PDF	326955	no	10
			336c4711a2a2e7eb0e0c0d805a48323d16 d96c2		

### Warnings:

--

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

**Information:**

**Total Files Size (in bytes):**

326955

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 Indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

June 15, 2010

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
U.S.A.

**Re: Our File: 056836.0040**  
**Invention: CHAIR WITH ONBOARD ELECTRICAL POWER**  
**SOURCE**  
**Application No.: 10/525,569**  
**Filed: 02/25/2005**  
**Inventor: Terry Cassaday**  
**Examiner: MCPARTLIN, SARAH BURNHAM**  
**Art Unit: 3636**  
**Due Date: June 15, 2010**

Dear Madam:

Agent for Applicant acknowledges receipt of Office Action dated March 15, 2010 and responds as follows:

### AMENDMENTS TO CLAIMS

Agent for Applicant respectfully requests the following amendments to the claims without adding any new subject matter. Additions are shown in underlining, while deletions are shown in strikethrough or double square brackets.

Claims 1-29 (Cancelled).

30. (Currently amended) A member selected from the group of members consisting of a chair member, a bed member and a lounge member, said member having moving parts, and controls mounted on said member and which controls provide movement of said moveable parts a-~~controller for said moving parts including;~~ information output circuitry which outputs information from said member concerning directions for the operation of said ~~controller~~ controls for the moving parts and an energy converter which converts energy to which the member is exposed to electrical energy for powering said information output circuitry, wherein said information output circuitry outputs information to an occupant of the member regarding the directions for the operation of the ~~controller~~ controls for the moving parts without producing movement of the parts.

31. (Previously presented) A member as claimed in Claim 30 wherein said energy converter comprises a solar panel provided on an exposed surface of said member.

32. (Previously Presented) A member as claimed in Claim 30 wherein said information output circuitry is further linked to a biorhythm sensor.

33. (Previously presented) A member as claimed in Claim 32 including a digital display also powered by said energy converter and displaying information from said biorhythm sensor.

34. (Previously presented) A member as claimed in Claim 30 wherein said member comprises a chair and said energy converter converts motion of a moveable portion of the chair to electrical energy.

35. (Currently amended) A member selected from the group of members consisting of a chair member, a bed member and a lounge member, said member including an information output device which outputs information from said member, an energy converter which converts energy to which the member is exposed to electrical energy for powering said information output device, wherein said information output device comprises a control mounted on said member for a moveable part of said member, said control outputting information to an occupant of the member regarding the directions of use of said control without producing the movements of the member.

36. (Previously presented) A member as claimed in Claim 35 wherein said control provides audio feedback providing the directions for use of said control.

37. (Currently amended) A member as claimed in Claim 36 including a visual display also powered by said energy converter, said visual display visually displaying information to an occupant of the member regarding the the directions for use of the of said control.

38. (Previously presented) A member as claimed in Claim 30 including an electrical rechargeable power pack which is charged by said energy converter, said power pack storing the electrical energy and dispersing the electrical energy as required.

39. (Previously presented) A member as claimed in Claim 30 wherein member said comprises a chair having rolling casters for generating said electrical energy.

40. (Previously presented) A member as claimed in Claim 30 wherein member said comprises a chair and said chair has a back and seat and a moveable hinge between said back and seat for generating said electrical energy.

41. (Previously presented) A member as claimed in Claim 30 further having electrically operated body repositioning means powered by said energy converter, or rechargeable power pack.

42. (Previously Presented) A member as claimed in Claim 41 wherein said member comprises a chair and said body repositioning means comprises a lumbar adjustment member, and said chair further includes an electrically generated timer which provides timed interval repositioning of said lumbar adjustment members.

43. (Cancelled).

44. (Previously Presented ) A chair as claimed in Claim 38 wherein said electrical rechargeable power pack is a rechargeable battery carried by said member, and said energy converter recharges said rechargeable battery.

45. (Currently amended) A chair having electrical power requirements for displaying information to an occupant of the chair regarding the operation of a plurality of controls mounted on the chair for moving a plurality of parts respectively of the chair without producing movement of said parts comprising:

- (a) energy converter means carried by said chair for:
  - (i) providing power to said controls to move the parts of the chair respectively and to display said information to the occupant regarding directions for the operation of the controls , without affecting movement of said parts , to inform the occupant to use the controls to move said parts of the chair respectively ; and
  - (ii) providing power to said display for displaying information regarding the directions for operation of said controls without producing movements of said parts respectively.

46. (Cancelled).

47. (Currently amended) A member selected from the group of members consisting of a chair member, a bed member, and a lounge member, said member including an information output device which outputs information from said member, an energy converter which converts energy to which the member is exposed to electrical energy for powering said output device, wherein said information output device comprises a control mounted on said member for moving a

moveable part of said member, said control output device outputting information to an occupant of the member regarding directions of use of said control without producing the movement of the moveable part.

35 U.S.C § 102

Examiner stated that claims 30-35, 38-41 and 43-47 are rejected under 35 U.S.C. 102(e) as being anticipated by Gruteser (US 6,870,477). More particularly Examiner stated that with respect to claim 30, Gruteser discloses a member (100) selected from the group of members consisting of a chair member, a bed member and a lounge member, said member having moving parts (unlabeled), in the form of a seat or back that is deformable (column 6, line 20), and a controller (240) for said moving parts which outputs information from said member concerning directions for the operation of said controller for the moving parts including information output circuitry (130) and an energy converter, either in the form of "solar cells" (column 5, line 17) or wheels (105) "used to generate electricity" (column 5, line 29) which converts energy to which the member is exposed (i.e. solar energy or kinetic energy) to electrical energy for powering said information output circuitry wherein said information output circuitry outputs information to an occupant of the member, given that the controller (240) may include a PC having "a user interface including input devices and displays which may be used by the occupant of the chair to make manual adjustments to environmental parameters and which may also convey information to the occupant about the status or results of information carrying signals sent from or received by the chair systems" (column 6, lines 7-12), regarding directions for the operation of the controller for the moving parts without producing movement of the parts.

Agent for Applicant respectfully states that Gruteser does not teach:

(a) Controls mounted on said member, and which controls provide movement of said moveable parts: information output circuitry which outputs information of said member, and which controls provide movement of said moveable parts; information output circuitry which outputs information from said member concerning directions for the operation of said controls for the moving parts...output circuitry outputs information to an occupant of the member regarding the directions for the operation of the controls for the moving parts without producing movement of the parts.

Gruteser teaches:

The chairs coupled by a wireless communication device 130 to remote systems 225 the remote systems 225 maybe located on the same premises with the chair or maybe a considerable distance away. (see column 5, lines 35-39 of Grutesen)

Moreover, figure 2 of Gruteser shows that the commuting system 240 is connected to the network 250 within remote systems 225.

Applicant on the other hand teaches:

Figure 1 shows the chair generally indicated at 1. This chair has a chair seat 3 and a chair back 5. Its supported by a pedicle based 7 heading rollercoasters 9. The chair 1 has a plurality of chair movement controls generally indicated at 11. These controls are provided with sensors 13. (see page 3, line 29-34 of applicant's specification)

Furthermore, in one embodiment figure 1 shows controls 11 mounted on the chair.

Claims 31, 32, 33, and 34 depend on claim 30 and accordingly agent for applicant relies on the same statements with regard to claim 30.

Examiner stated with respect to claim 35 and 46-47 Gruteser discloses the member (100) selected from the group of members consisting of a chair member, a bed member and a lounge member, said member (100) including an information output device (130) (140) (145) (240) which outputs information from said member, an energy converter which converts energy to which the members exposed to electrical energy for powering said information output device, wherein the information output device comprises a control (240) for a moveable part (i.e. a vibrator (column 6, line 23) of said member, said control (240) outputting information to an occupant of the member in the form of a signal regarding function of said control without producing movement of the chair (column 6, line 7-12). Examiner stated that the effectors (210) actually produce movement of the chair. Agent for Applicant contriveds Examiner's objections: however has amended claim 35 to more fully criticize that the control is mounted on said member whereas Examiner's characterization of control (240) of Gruteser is not mounted on the chair but rather is part of the remote system 225 of Gruteser. Moreover, claims 38,39,40,41 and

44 are dependent claims, whereby Applicant first indicated the comments made with respect to the independent claims from which they are linked.

Moreover, Examiner stated with respect to the claim 45 a chair(100) have an electrical power requirements for displaying information to an occupant of the chair regarding the operation of the plurality of controls for moving a plurality parts respectively of the chair without producing movement of the parts comprising: an energy converter means (i.e. a form of a solar cell or ruler castors (105) (carried by said chair for: providing power to said controls to move the parts of the chair respectfully and to display the said information to the occupant regarding the directions of the operation of the controls, without affecting movement of said parts, to inform the occupant to use the controls to move said parts of the chair respectfully and providing power to said display for displaying information regarding directions of the operation of said controls without producing movement of the parts.

In this regard Agent for the Applicant has amended claim 45 to more fully particularize that the controls are mounted on the chair. Moreover claim 47 has been amended to more fully particularize that the control is mounted on the member for moving a part of the member.

**35 U.S.C 103**

Examiner stated that claims 36-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gruteser (6,870,477) in view of Sparks (6,204,767). As disclosed above, Gruteser disclosed all claimed elements except the provision of audio feedback from the control. In this regard Agent for Applicant respectfully states that claims have been amended to overcome such objection.

Furthermore, Examiner stated claim 42 is rejected as unpatentable over Gruteser in view of Burt. Agent for Applicant respectfully states that the claims have been amended so as to overcome the objection.

**CONCLUSION**

Agent for Applicant has reviewed Examiners response to amendments under paragraph 6. Agent for Applicant respectfully traverses the Examiner's comments thereto. However in order to more fully practicalize the invention Applicant has amended the claims so as to focus on the fact that the controls are mounted on the member whereas Gruteser teaches that the control namely PC 240 is remote from the chair.

Agent for Applicant respectfully states that the application is now in condition for immediate allowance and respectfully solicits same.

Yours faithfully,



Agent for Applicant  
Eugene J. A. Gierczak  
(Registration NO. 31,690)  
**MILLER THOMSON LLP**  
Barristers & Solicitors  
Scotia Plaza  
40 King Street West, Suite 5800  
P.O. Box 1011  
Toronto, Ontario Canada M5H 3S1  
Telephone No. 416.596.2132  
Telecopier No. 416.595.8695  
EJAG/fa

cc: Terry Cassaday